

Title (en)
METHOD AND SYSTEM FOR MEASURING THE ROUGHNESS OF A GROUND SURFACE

Title (de)
VERFAHREN UND SYSTEM ZUR MESSUNG DER RAUHEIT EINER BODENOBERFLÄCHE

Title (fr)
CAPTEURS À ULTRASON POUR MESURER LA RUGOSITÉ DU TERRAIN

Publication
EP 3429329 A2 20190123 (EN)

Application
EP 17710548 A 20170315

Priority
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Abstract (en)
[origin: WO2017158006A2] A system measures the roughness of the ground surface over which an agricultural implement (10) passes as measured in the direction of travel (22). The system includes at least one ground sensor (40, 42) attached to the agricultural implement (10) that provides measurement of the distance to the ground. A controller (80) is connected to the at least one ground sensor (40, 42), and controls at least one adjustment of the agricultural implement (10). The at least one ground sensor (40, 42) provides instantaneous output (OFGS, ORGS) based on the distance to the ground to the controller (80). The controller (80) then calculates at least one statistical parameter (AVRGS, AVFGS, AAV) from the instantaneous output (OFGS, ORGS). The at least one statistical parameter (AVRGS, AVFGS, AAV) is calculated from variations in the distance to the ground in the direction of travel (22) of the agricultural implement (10).

IPC 8 full level
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Citation (search report)
See references of WO 2017158006A2

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CA 3017315 A1 20170921; CN 109068575 A 20181221; CN 109068575 B 20211207; EP 3429329 A2 20190123; EP 3429329 B1 20210303;
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